

Therma Waterproof Therma Differential Thermometers



- Free traceable Certificate of Calibration included
- Robust waterproof case offering IP66/67 protection
- Backlight, max/min and hold functions
- Integrated rubber seal for durability and complete watertightness
- Designed for reliability and ease of use
- Ideal for industry applications
- Excludes Probe

INSTRUMENT OPERATION - Connect probes via the socket(s) located at the top of the instrument. (The Therma Waterproof and Therma Differential use a miniature type K thermocouple connector/s). Switch the instrument on and apply the tip of the probe to the substance or medium to be measured. The instrument reading may take a few seconds to stabilise, depending on the nature of the measurement and sensitivity of the probe.

HOLD - Press the HOLD button to stop measurements, press again to continue measuring.

AUTO-OFF - The unit will switch off automatically after 10 minutes. To disable auto-off press the HOLD button whilst switching on the instrument (this is reset when the instrument is switched off).

OPEN CIRCUIT/FAULTY PROBE - If the probe has developed an 'Open Circuit' fault the instrument will display 'Err'.

SENSORS - Therma Waterproof and Therma Differential should only be used with type K (Nickel Chromium/Nickel Aluminium) thermocouple probes (to BS EN 60584-2) fitted with miniature type K thermocouple plugs (to BS EN 50212). This instrument is designed to be compatible with ETI manufactured probes.

BATTERY REPLACEMENT - The instrument will display a low battery symbol to warn that the batteries will need changing soon. The instrument continues to measure accurately but after further usage the instrument will display 'flat bat' and shutdown. Replace the three AAA batteries located under the rear case half that is held in place by six screws. Check the seal for damage and carefully replace the rear case half and re-fit and tighten the screws.

MAX/MIN - Press the MAX/MIN button to display the values. The instrument retains the max/min values when switched off. To reset, press the MAX/MIN button for three seconds, 'rst' will be displayed.

BACKLIGHT - Press the HOLD button for two seconds. Please Note: the backlight will not operate if the low battery symbol is being displayed. (Backlight timeout = 20 seconds).

TRIM - THERMA WATERPROOF ONLY - Press the

MAX/MIN and ON/OFF buttons at start-up for five seconds to enter ('Offset' is displayed). MAX/MIN then cycles (continuous loop) the trim value in 0.1 steps up to ± 2.0 °C (3.6 °F). Press ON/OFF to save the value and exit Trim mode.

MODE - Press the MODE button to scroll through T1, T2 or T1 - T2 (Therma Differential only).

NULL - Press the MODE button for three seconds to null the differential reading to 0.0 °C/°F (Therma Differential only).

°C/°F - Press and hold ON/OFF button for five seconds at start-up.

WARNING: IPA and other solvents may cause damage to the case and screen of this instrument.



Temperature Range:
-100°C to +1372°C

Therma Waterproof		
0065		Protection Type
232-101	Black	IP66/67

GUARANTEE - This instrument carries a two-year guarantee against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of ETI, be either repaired or replaced without charge. This guarantee does not apply to probes, where a six-month period is offered. The product guarantee does not cover damage caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification. Full details of liability are available within ETI's Terms & Conditions of Sale at www.etiltd.com/terms. In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.

SPECIFICATION - Full specification details of all products are available at www.etiltd.com.

INSTRUMENT RECORD CARD

	model	order code
<input type="checkbox"/>	Therma Waterproof	232-101
<input type="checkbox"/>	Therma Differential	231-022

serial no. _____

calibrated by _____ date _____

	0 °C	1000 °C
thermocouple		

This instrument has been checked or calibrated against reference instrument(s) calibrated by a UKAS Accredited Calibration Laboratory.



manufactured by
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545-170/17.11.14